

I claim:

1. A double-walled gift box apparatus comprising a base box and cover formed as double-walled trays, at least one tray having walls and a stiffening sheet secured to the tray, the tray being formed from a tray forming sheet having a main panel with peripheral edges and side panels and end panels extending from the edges of the main panel for forming the walls of the tray,

the stiffening sheet having a central panel and sides connected to the central panel, the central panel being positioned in contact and aligned with the main panel of the tray forming sheet, the sides of the stiffening sheet being in contact and aligned with the side panels of the tray forming sheet,

the side panels and end panels of the tray forming sheet having folds spaced from and parallel to the edges of the main panel and forming inner side panels and outer side panels and inner end panels and outer end panels, the outer end panels being folded and adhered in portion, and the outer side panels being folded over and adhered to the sides of the stiffening sheet for securing the stiffening sheet to the tray.

2. The apparatus of claim 1, wherein the stiffening sheet further has ends hinged to the main panel and wherein the outer end panels are folded over and adhered to inner surfaces of the ends of the stiffening sheet.

3. The apparatus of claim 1, wherein both the cover and base box have stiffening sheets.

4. The apparatus of claim 1, further comprising creased gussets connecting the inner side panels and the inner end panels; when folded, the gussets being tucked into spaces between the outer and inner end panels, and being locked in place by adhesive applied to inward facing

surfaces of the outer end panels.

5. The apparatus of claim 4, wherein the outer side and end panels have strips of adhesive applied to their inner surfaces prior to folding the outer end panels on the inner end panels, the strips of adhesive on the inner surfaces of the outer side panels contacting and adhering to inner surfaces of the sides of the stiffening sheet.

6. The apparatus of claim 1, wherein the side and end panels of the base and cover are equal in length, forming a square box.

7. The apparatus of claim 1, wherein the main, side and end panels of the base and cover form a rectangular box.

8. A fabrication method for a double-walled gift box comprising forming a base box and cover as double-walled trays, forming at least one tray with walls, providing a stiffening sheet with sides on the tray, forming the tray from a tray forming sheet having a main panel with peripheral edges and side panels and end panels extending from the edges of the main panel and forming the walls of the tray by adhering the side panels of the tray to the sides of the stiffening sheet, folding inward and adhering outer halves of the end panels.

9. The method of claim 8, further comprising providing the stiffening sheet with creased ends and folding the ends between outer and inner halves of the end panels and adhering the outer halves of the end panels to inner surfaces of the ends.

10. The method of claim 8, wherein the securing of the stiffening sheet comprises hinging the sides to the central panel, positioning the central panel in contact with the main panel, aligning the central panel with the main panel of the tray-forming sheet, while folding and contacting the sides of the stiffening sheet with the side panel, and aligning the end edges of the stiffening sheet

with the end panels of the tray forming sheet.

11. The method of claim 8, wherein the forming of the tray comprises forming the side panels and the end panels of the tray with the tray forming sheet having folds spaced from and parallel to the edges of the main panel, the folds forming inner side panels and outer side panels and inner end panels and outer end panels, folding and adhering the outer end panels on the inner end panels, folding the outer side panels over the sides of the stiffening sheet and adhering the outer side panels to the sides of the stiffening sheet for securing the stiffening sheet to the tray.

12. A double-walled gift box apparatus comprising a base box formed as a double-walled tray, the tray having walls and a stiffening sheet secured to the tray, the tray being formed from a tray forming sheet having a main panel with peripheral edges and side panels and end panels extending from the edges of the main panel for forming the walls of the tray,

the stiffening sheet having a central panel and sides connected to the central panel, the central panel being positioned in contact and aligned with the main panel of the tray forming sheet, the sides of the stiffening sheet being in contact and aligned with the side panels of the tray forming sheet,

the side panels and end panels of the tray forming sheet having folds spaced from and parallel to the edges of the main panel and forming inner side panels and outer side panels and inner end panels and outer end panels, the outer end panels being folded inward and adhered, and the outer side panels being folded over and adhered to the sides of the stiffening sheet for securing the stiffening sheet to the tray.

13. The apparatus of claim 12, wherein the stiffening sheet further has ends hinged to the main panel and wherein the outer end panels are folded over and adhered to inner surfaces of the

ends of the stiffening sheet.

14. The apparatus of claim 12, further comprising creased gussets connecting the inner side panels and the inner end panels; when folded, the gussets being tucked into spaces between the outer and inner end panels, and being locked in place by adhesive applied to inward facing surfaces of the end panels.

15. The apparatus of claim 14, wherein the outer side and end panels have strips of adhesive applied to inner surfaces prior to folding the outer end panels on the inner end panels, the strips of adhesive on the inner surfaces of the outer side panels contacting and adhering to inner surfaces of the sides of the stiffening sheet.

16. The apparatus of claim 12, wherein the side and end panels are equal in length, forming a square box.

17. The apparatus of claim 12, wherein the main, side and end panels of the base and cover form a rectangular box.

18. A fabrication method for a double-walled gift box comprising forming a box as a double-walled tray, providing a stiffening sheet with sides on the tray, forming the tray from a tray forming sheet having a main panel with peripheral edges and side panels and end panels extending from the edges of the main panel and forming the walls of the tray by adhering the side panels of the tray to the sides of the stiffening sheet and folding inward and adhering outer halves of the end panels.

19. The method of claim 13, wherein the securing of the stiffening sheet comprises bringing the sides to the central panel, positioning the central panel in contact with the main panel, aligning the central panel with the main panel of the tray-forming sheet, while folding and

contacting the sides of the stiffening sheet with the side panel, and aligning the stiffening sheet with the end panels of the tray forming sheet.

20. The method of claim 18, further comprising providing the stiffening sheet with creased ends and folding the ends between outer and inner halves of the end panels and adhering the outer halves of the end panels to inner surfaces of the ends.

21. The method of claim 18, wherein the forming of the tray comprises forming side panels and end panels of the tray with a sheet having folds spaced from and parallel to the edges of the main panel, the folds forming inner side panels and outer side panels and inner end panels and outer end panels, folding and adhering the outer end panels on the inner end panels, folding the outer side panels over the sides of the stiffening sheet and adhering the outer side panels to the sides of the stiffening sheet for securing the stiffening sheet to the tray.